



Memo

To: Board of Directors
From: Dave Sale
Date: November 15, 2022
Subject: Replacement of Asphalt Tack Sprayer

Over the last two years field employees have had numerous problems with the asphalt tack sprayer. This sprayer was purchased new in 1985. After 37 years of use the sprayer has begun to have numerous mechanical issues. Staff have spent many days repairing it only to have it break again. It is currently not operational.

A typical asphalt crew consists of five employees. When the sprayer fails during the middle of paving we lose the rest of those man hours and any residual asphalt left in the truck. A truck load of asphalt is roughly \$400-\$500. We usually get three to four tons of asphalt at a time. A ton to a ton and a half of asphalt (\$125-\$187) is what typically gets wasted every time we have an issue with the tack sprayer.

At this time, we have 26 patches to replace and 7 tank sites that need repairs to the asphalt.

Staff did a lot of research on a replacement sprayer. We were only able to find three options since we wanted to replace the existing sprayer with a smaller one. Our three options were:

- A new Sprayer with a purchase price of roughly \$25,000-\$30,000.
- A new Sprayer from Goldstar Asphalt with a purchase price of \$12,497.92.
- A used 2014 Sprayer with a purchase price of \$14,000.

Staff purchased the Goldstar Asphalt Tack Sprayer for a total cost of 12,497.92 on October 31, 2022.